

## **Mentoring: Publication Prowess**

### **Selected Peer-Reviewed Publications Students as first-author:**

- Xiao, X., & Wu, Q.** (2023a). Ethnic disparities in fracture risk assessment using polygenic scores. *Osteoporosis International*, 34(5), 943–953. <https://doi.org/10.1007/s00198-023-06712-y>
- Xiao, X., & Wu, Q.** (2023b). The clinical utility of the BMD-related comprehensive genome-wide polygenic score in identifying individuals with a high risk of osteoporotic fractures. *Osteoporosis International*, 34, 681–692. <https://doi.org/10.1007/s00198-022-06654-x>
- Xiao, X., & Wu, Q.** (2023c). Validation of a genome-wide polygenic score in improving fracture risk assessment beyond the FRAX tool in the Women’s Health Initiative study. *PLOS ONE*, 18(6), e0286689. <https://doi.org/10.1371/journal.pone.0286689>
- Bao, Y., Xu, Y., Li, Z., & Wu, Q.** (2023). Racial and ethnic difference in the risk of fractures in the United States: A systematic review and meta-analysis. *Scientific Reports*, 13(1), Article 1. <https://doi.org/10.1038/s41598-023-32776-1>
- Xu, Y., & Wu, Q.** (2023). Awareness, understanding, and interest in personalized medicine: A cross-sectional survey study of college students. *PLOS ONE*, 18(1), e0280832. <https://doi.org/10.1371/journal.pone.0280832>
- Xu, Y., Bao, Y., Wang, M., & Wu, Q.** (2022). Smoking and fracture risk in men: A meta-analysis of cohort studies, using both frequentist and Bayesian approaches. *Scientific Reports*, 12(1), 1–12. <https://doi.org/10.1038/s41598-022-13356-1>
- Liu, B., Huynh, E., Li, C., & Wu, Q.** (2022). Impact of COVID-19 on college students at one of the most diverse campuses in the USA: A factor analysis of survey data. *BMJ Open*, 12(9), e061719. <https://doi.org/10.1136/bmjopen-2022-061719>
- Xiao, X., & Wu, Q.** (2021a). Multiple polygenic scores improve bone mineral density prediction in an independent sample of Caucasian women. *Postgraduate Medical Journal*. <https://doi.org/10.1136/postgradmedj-2021-139722>
- Xiao, X., & Wu, Q.** (2021b). The Utility of Genetic Risk Score to Improve Performance of FRAX for Fracture Prediction in US Postmenopausal Women. *Calcified Tissue International*, 0123456789. <https://doi.org/10.1007/s00223-021-00809-4>

- Xu, Y., & Wu, Q.** (2021a). Prevalence Trend and Disparities in Rheumatoid Arthritis among US Adults, 2005–2018. *Journal of Clinical Medicine*, *10*(15), 3289. <https://doi.org/10.3390/jcm10153289>
- Xu, Y., & Wu, Q.** (2021b). Trends and disparities in osteoarthritis prevalence among US adults, 2005–2018. *Scientific Reports*, *11*(1), 1–10. <https://doi.org/10.1038/s41598-021-01339-7>
- Xu, Y., & Wu, Q.** (2021c). Trends in osteoporosis and mean bone density among type 2 diabetes patients in the US from 2005 to 2014. *Scientific Reports*, 1–9. <https://doi.org/10.1038/s41598-021-83263-4>
- Mun, H., Liu, B., Pham, T. H. A., & Wu, Q.** (2020). C-reactive protein and fracture risk: An updated systematic review and meta-analysis of cohort studies through the use of both frequentist and Bayesian approaches. *Osteoporosis International*, 425–435. <https://doi.org/10.1007/s00198-020-05623-6>
- Xiao, X., & Wu, Q.** (2019). Association between a literature-based genetic risk score and bone mineral density of African American women in Women Health Initiative Study. *Osteoporosis International*, 1–8. <https://doi.org/10.1007/s00198-019-05244-8>
- Liu, B., Wu, Q., Zhang, S., & Del Rosario, A.** (2019). Lithium use and risk of fracture: A systematic review and meta-analysis of observational studies. *Osteoporosis International*, *30*(2), 257–266. <https://doi.org/10.1007/s00198-018-4745-9>
- Xiao, X., Roohani, D., & Wu, Q.** (2018). Genetic profiling of decreased bone mineral density in an independent sample of Caucasian women. *Osteoporosis International*, *29*(8), 1807–1814. <https://doi.org/10.1007/s00198-018-4546-1>
- Xiao, X., Xu, Y., & Wu, Q.** (2018). Thiazide diuretic usage and risk of fracture: A meta-analysis of cohort studies. *Osteoporosis International*, *29*(7), 1515–1524. <https://doi.org/10.1007/s00198-018-4486-9>
- Xu, Y., & Wu, Q.** (2018). Decreasing trend of bone mineral density in US multiethnic population: Analysis of continuous NHANES 2005–2014. *Osteoporosis International*, *29*(11), 2437–2446. <https://doi.org/10.1007/s00198-018-4648-9>

### **Selected Peer-Reviewed Publications Students as co-authors:**

- Wu, Q., & **Jung, J.** (2023). Genome-wide polygenic risk score for major osteoporotic fractures in postmenopausal women using associated single nucleotide polymorphisms. *Journal of Translational Medicine*, 21(127). <https://doi.org/10.1186/s12967-023-03974-2>
- Wu, Q., Nasoz, F., **Jung, J.**, Bhattarai, B., Han, M. V., Greenes, R. A., & Saag, K. G. (2021). Machine learning approaches for the prediction of bone mineral density by using genomic and phenotypic data of 5130 older men. *Scientific Reports*, 11(1), Article 1. <https://doi.org/10.1038/s41598-021-83828-3>
- Wu, Q., Nasoz, F., **Jung, J.**, Bhattarai, B., & Han, M. V. (2020). Machine Learning Approaches for Fracture Risk Assessment: A Comparative Analysis of Genomic and Phenotypic Data in 5130 Older Men. *Calcified Tissue International*, 1–9. <https://doi.org/10.1007/s00223-020-00734-y>
- Wu, Q., **Xiao, X.**, & **Xu, Y.** (2020a). Evaluating the Performance of the WHO International Reference Standard for Osteoporosis Diagnosis in Postmenopausal Women of Varied Polygenic Score and Race. *Journal of Clinical Medicine*, 9(2), 499. <https://doi.org/10.3390/jcm9020499>
- Wu, Q., **Xiao, X.**, & **Xu, Y.** (2020b). Performance of FRAX in Predicting Fractures in US Postmenopausal Women with Varied Race and Genetic Profiles. *Journal of Clinical Medicine*, 9(1), 285. <https://doi.org/10.3390/jcm9010285>
- Wu, Q., **Xu, Y.**, Bao, Y., Alvarez, J., & Gonzales, M. L. (2020). Tricyclic Antidepressant Use and Risk of Fractures: A Meta-Analysis of Cohort Studies through the Use of Both Frequentist and Bayesian Approaches. *Journal of Clinical Medicine*, 9(8), 2584. <https://doi.org/10.3390/jcm9082584>
- Wu, Q., **Xu, Y.**, & Lin, G. (2019). Trends and Disparities in Self-Reported and Measured Osteoporosis among US Adults, 2007–2014. *Journal of Clinical Medicine*, 8(12), 2052. <https://doi.org/10.3390/JCM8122052>
- Wu, Q., **Liu, B.**, & Tonmoy, S. (2018). Depression and risk of fracture and bone loss: An updated meta-analysis of prospective studies. *Osteoporosis International*, 29(6), 1303–1312. <https://doi.org/10.1007/s00198-018-4420-1>